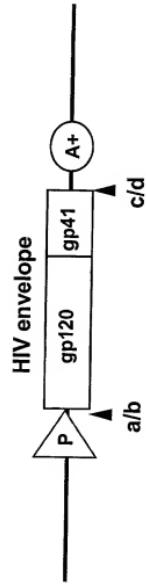


PhenoSense HIV Entry Assay

Envelope Expression Vector: pHIVenv



HIV-1 Expression Vector: pHIVlucΔU3

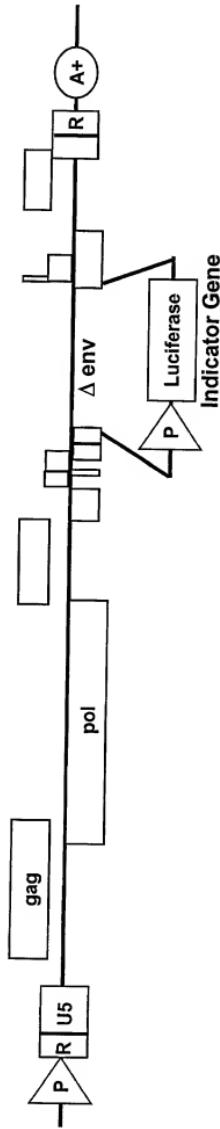


Fig. 1A



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PhenoSense™ HIV: Cell Assay

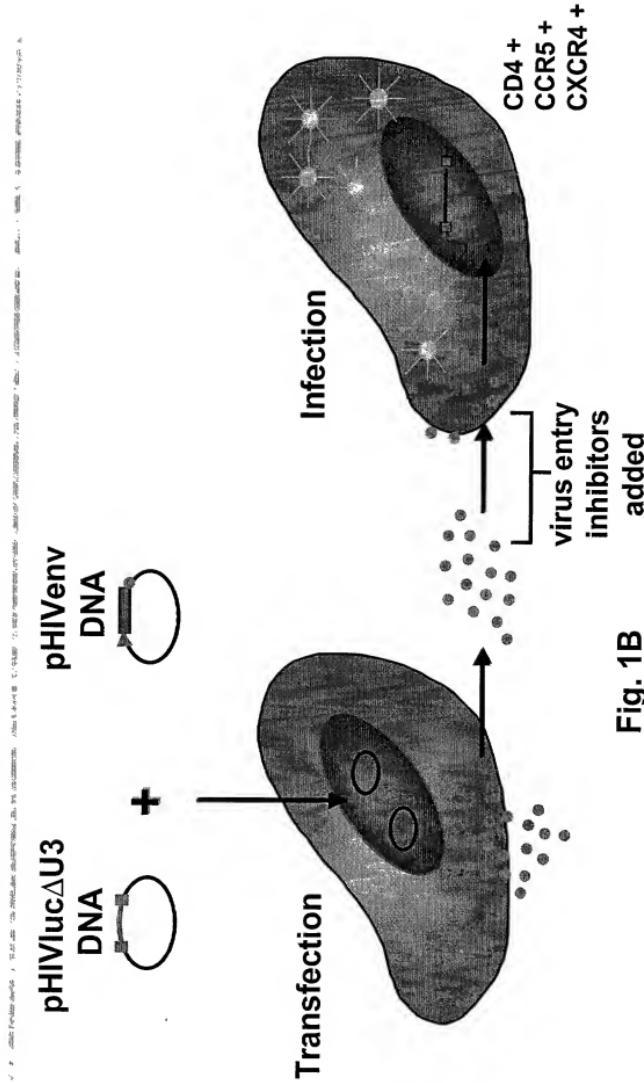


Fig. 1B

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SG32 25 2002
MAINTENANCE DEPARTAMENT

HIV Envelope Expression Strategies

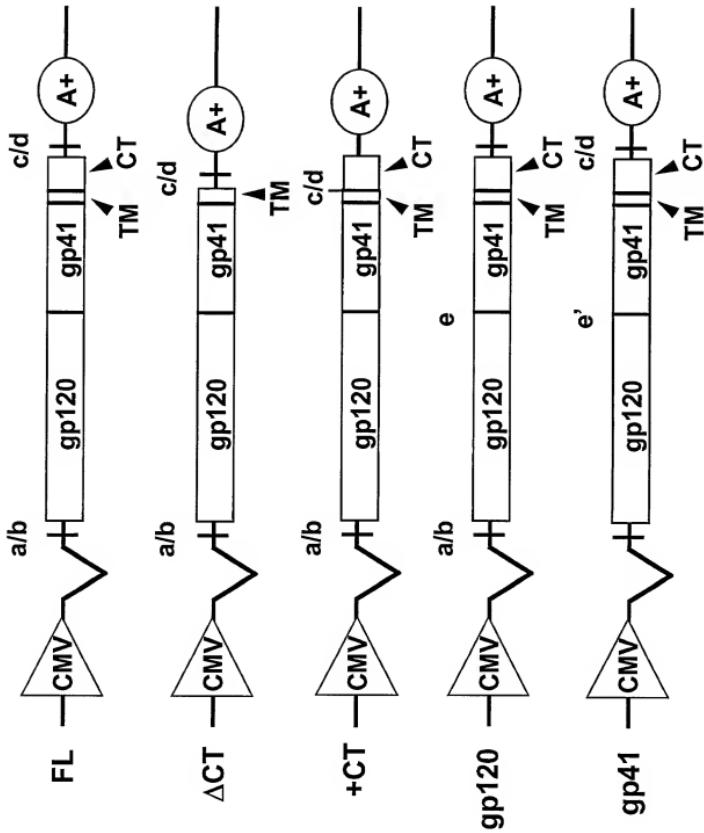


Fig. 2

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Co-Receptor Tropism Screen

CCR5-expressing cells

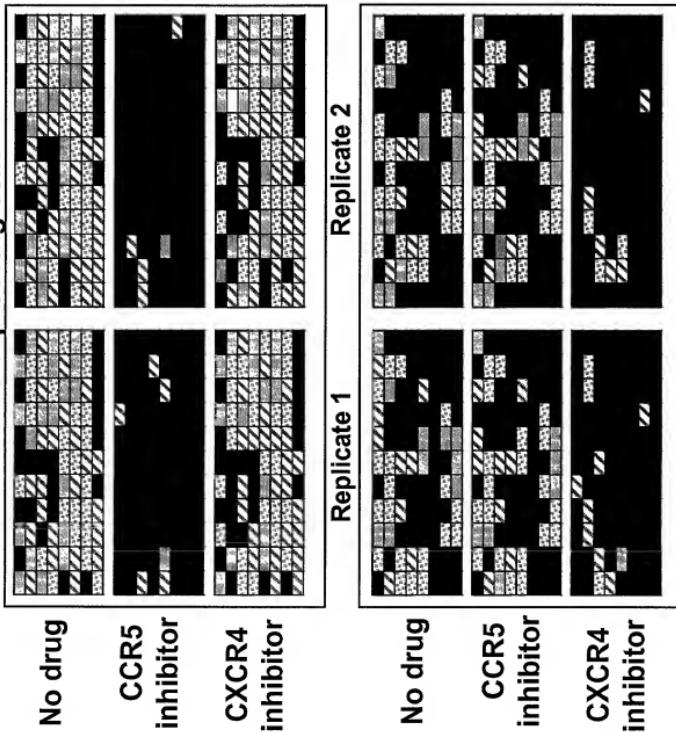


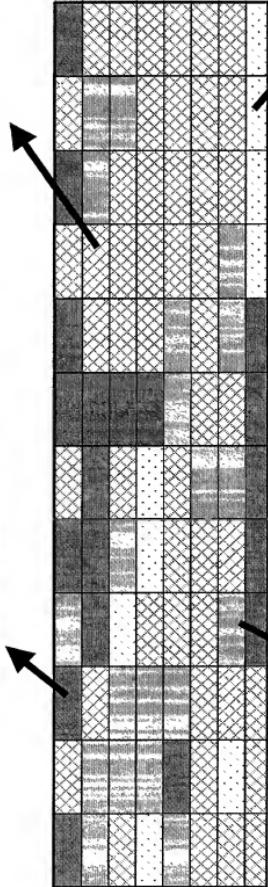
Fig. 3A



Co-Receptor Tropism Assay Interpretation

	R5 cells	X4 cells	R5:X4
3	34	26.4/1	0
no drug			
R5 inhibitor			
X4 inhibitor			
%inhib by R5 inhibitor		32	
%inhib by X4 inhibitor		27	
	100		

	R5	X4	R5:X4
21	67.388	72	93.6
no drug			
R5 inhibitor		99	
X4 inhibitor	42.295		
%inhib by R5 inhibitor		100	
%inhib by X4 inhibitor		37	



active RLU limit: 100
tropism ratio limit: 5

	R5	X4	R5:X4
76	14.382	12.020	1.1
no drug			
R5 inhibitor		1.11	10.389
X4 inhibitor	8.580		3.384
%inhib by R5 inhibitor		99	10
%inhib by X4 inhibitor	43		72

	R5	X4	R5:X4
95	43	42	
no drug			
R5 inhibitor			
X4 inhibitor			
%inhib by R5 inhibitor			
%inhib by X4 inhibitor			



Fig. 3B

Entry Inhibitor Susceptibility: Fusion Inhibitor

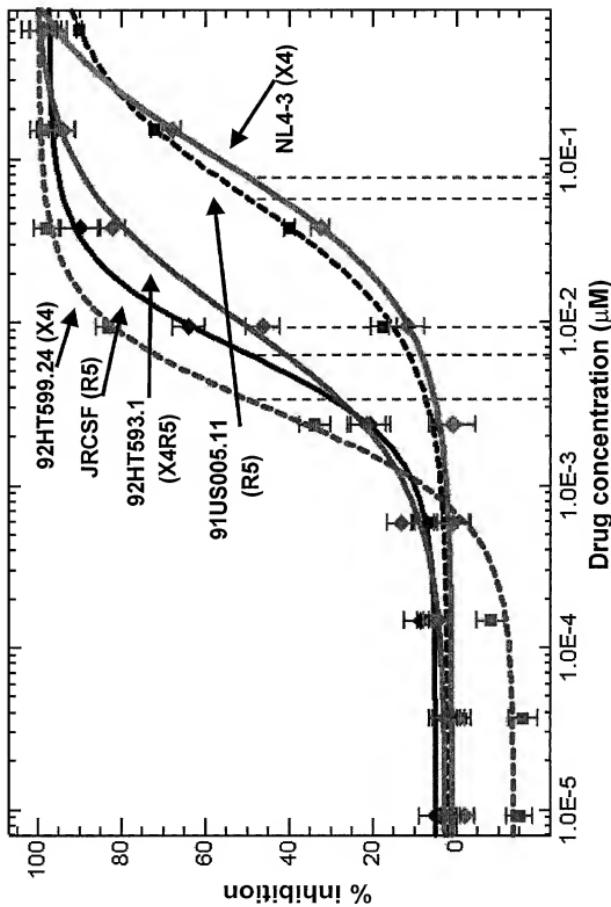


Fig. 4A

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Reduced Susceptibility: Fusion Inhibitor

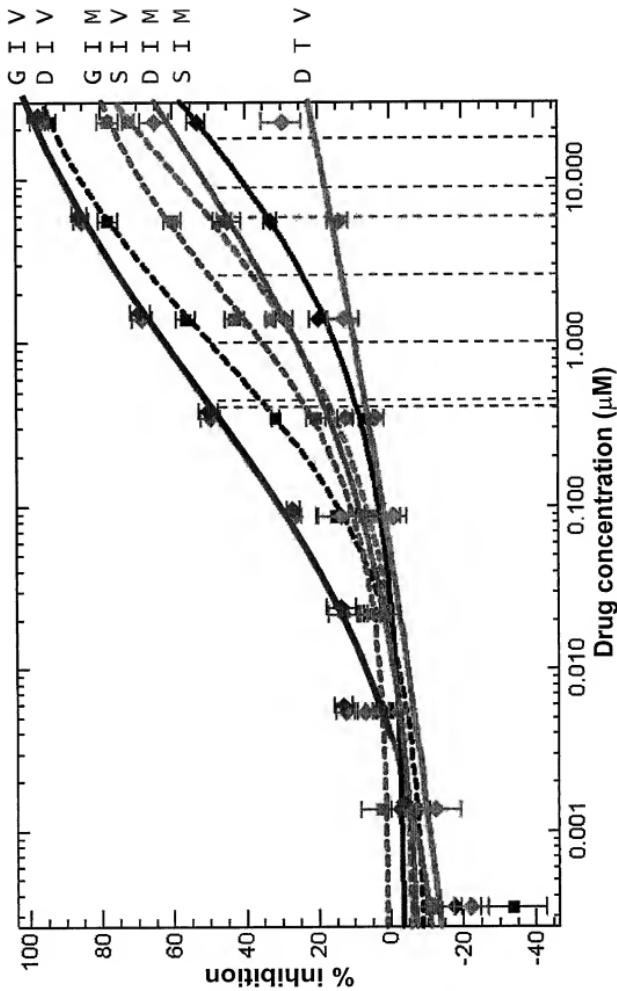
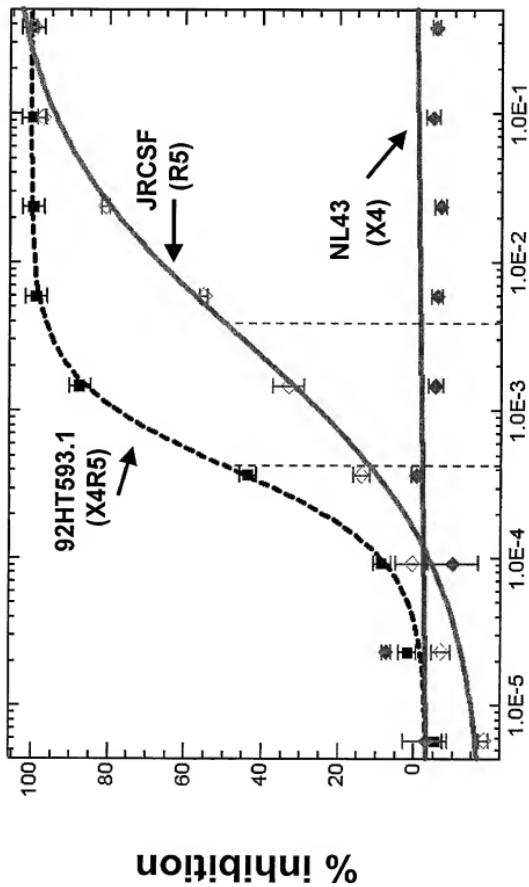


Fig. 4B



Entry Inhibitor Susceptibility: CCR5 Inhibitor

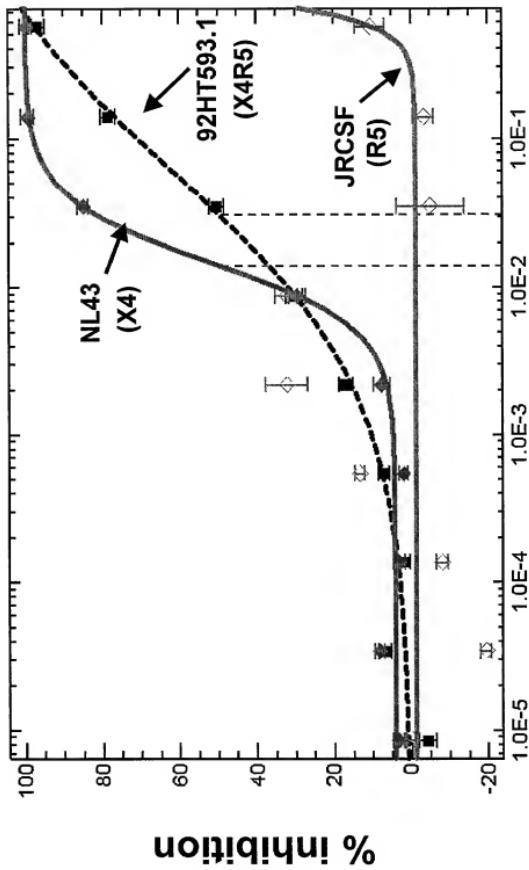
Fig. 5A



Drug: R5 Inhibitor
Cell: CD4/CCR5



Entry Inhibitor Susceptibility: CXCR4 Inhibitor



Drug: X4 Inhibitor
Cell: CD4/CXCR4

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Envelope Sequence Amplification

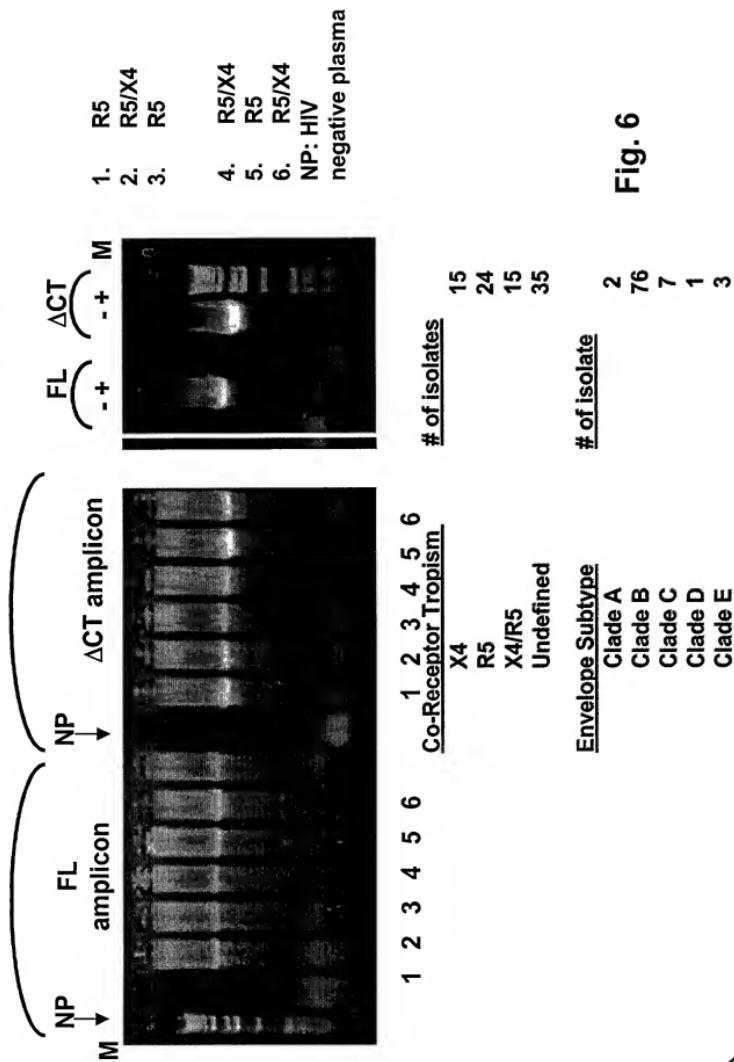


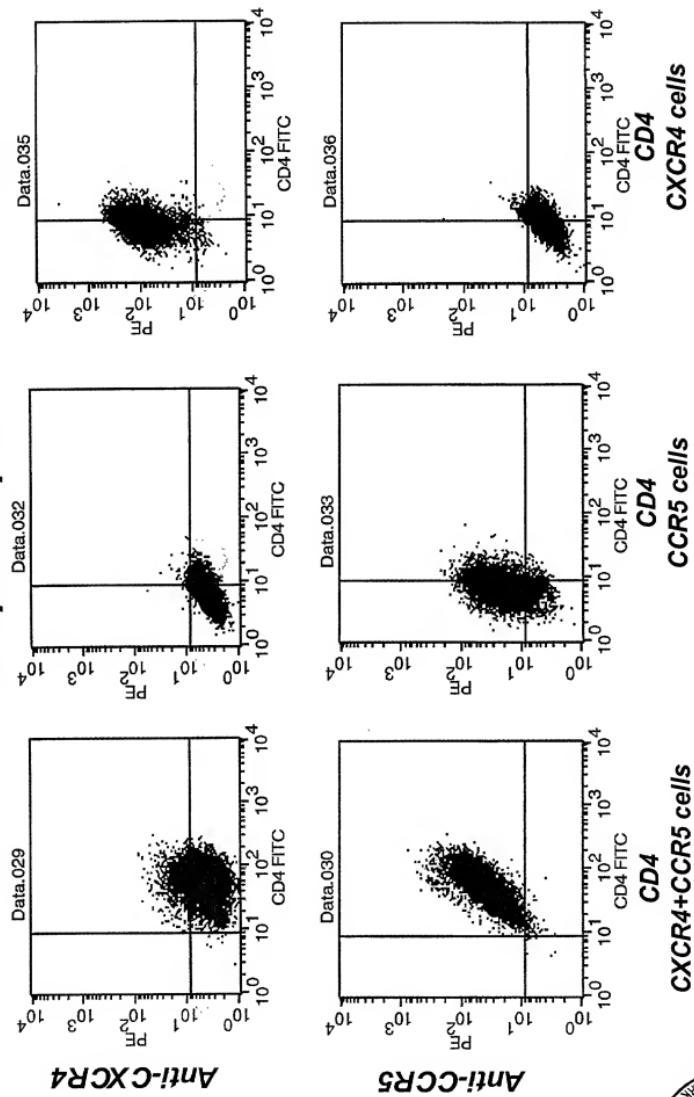
Fig. 6



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Target Cell Receptor and Co-Receptor Expression

Fig. 7



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Inhibition By Co-Receptor Antagonists

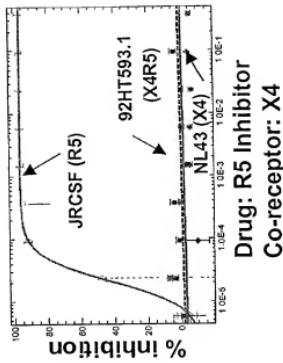
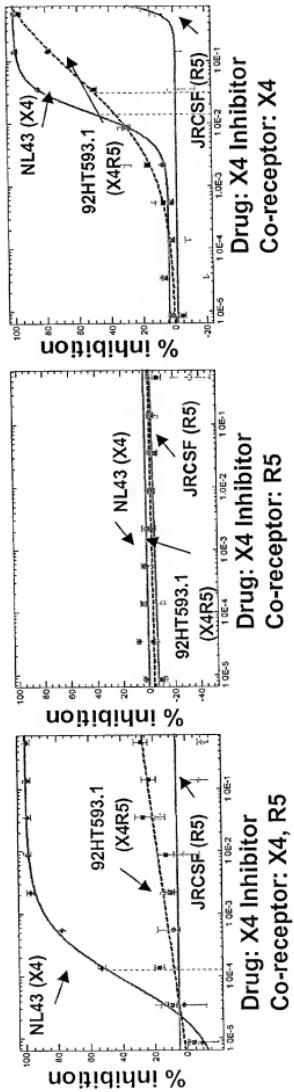
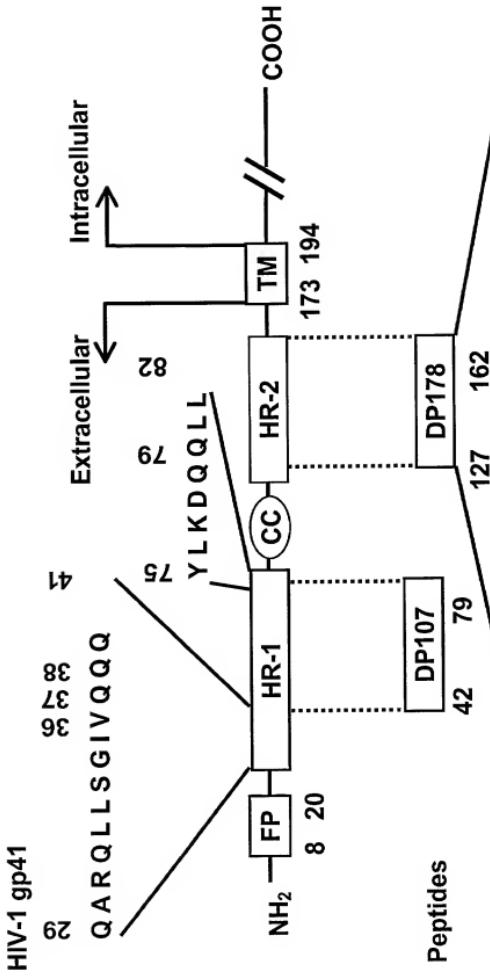


Fig. 8



Fusion Inhibitor Peptides



Y T S L I H S L I E E S Q N Q Q E K N E Q E L L E D K W A S L W N W F

Rimsky, et al., J. Virol. 72 (2):986-993



Fig. 9

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Patient Virus v. Patient Antibody

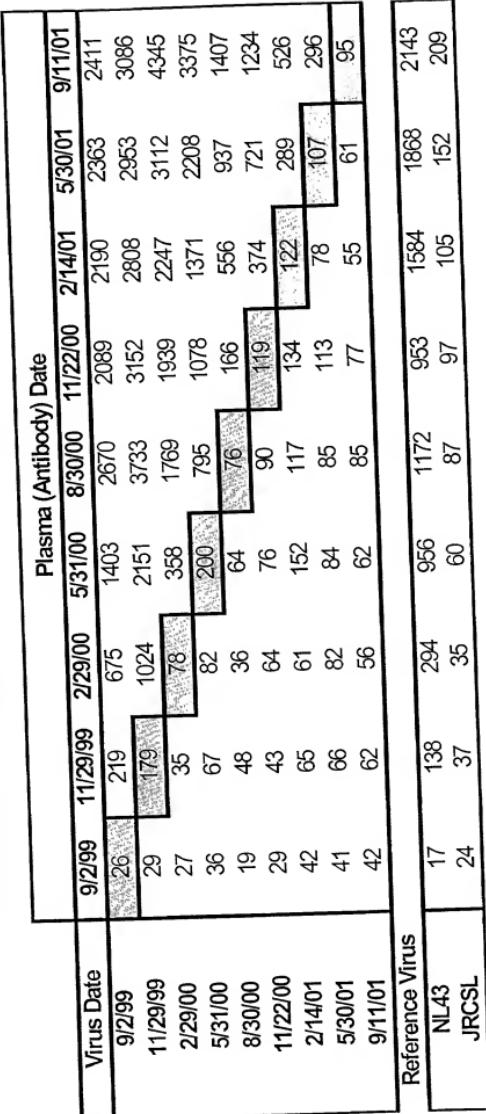


Fig. 10

